Period 1 Pre-AP
Please find your seat

"Hvl vmkzq czul vzn fql clzppd lyyluhxal blzifq, zqo hvzh xn pzmtvhlc." -- Kzcr Hbzxq

Cryptograms are encoded English sayings where each letter has been substituted for another. Substitutions are applied consistently in a puzzle. A letter may not stand for itself. Decode this cryptograms.

Front of Room

Period 2 Pre-AP
Please find your seat

"Hvl vmkzq czul vzn fql clzppd lyyluhxal blzifq, zqo hvzh xn pzmtvhlc." -- Kzcr Hbzxq

Cryptograms are encoded English sayings where each letter has been substituted for another. Substitutions are applied consistently in a puzzle. A letter may not stand for itself. Decode this cryptograms.

Front of Room

Period 3 Pre-AP
Please find your seat

"Hvl vmkzq czul vzn fql clzppd lyyluhxal blzifq, zqo hvzh xn pzmtvhlc." -- Kzcr Hbzxq

Front of Room

Cryptograms are encoded English sayings where each letter has been substituted for another. Substitutio are applied consistently in a puzzle. A letter may not stand for itself. Decode this cryptograms.

"Hvl vmkzq czul vzn fql clzppd lyyluhxal blzifq, zqo hvzh xn pzmtvhlc."

-- Kzcr Hbzxq

Cryptograms are encoded English sayings where each letter has been substituted for another. Substitutions are applied consistently in a puzzle. A letter may not stand for itself. Decode this cryptograms.

EQ (essential questions)

Agenda

- A few classroom procedures
- Chemistry Demo
- Problem solving Activity

Objective

You will begin to understand what your chemistry class will involve and learn about your peers

Quick Logistics

Bathroom Policy

Tardy/ Absence policy

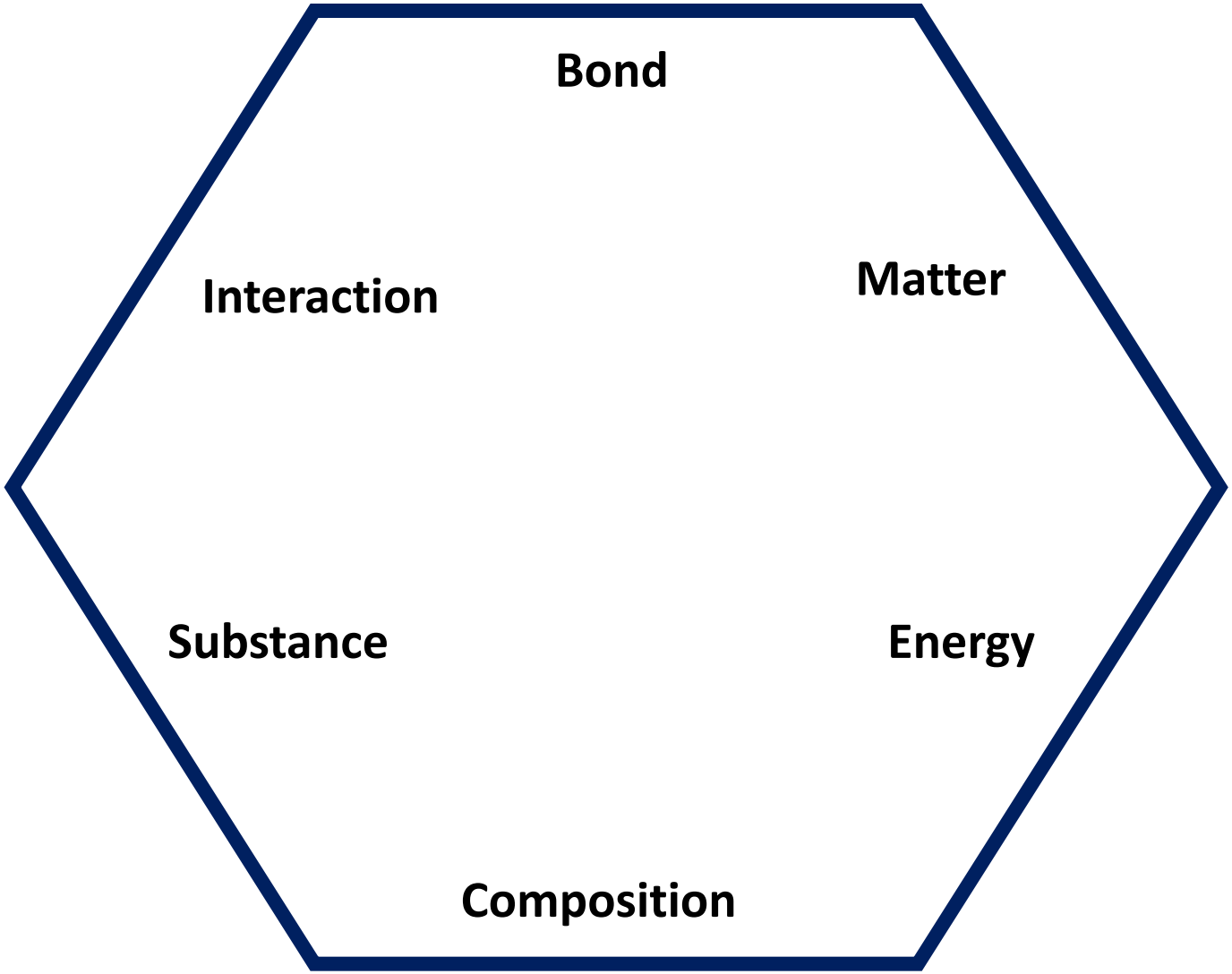
Bathroom Policy

You can go to the bathroom whenever you *NEED* to go…

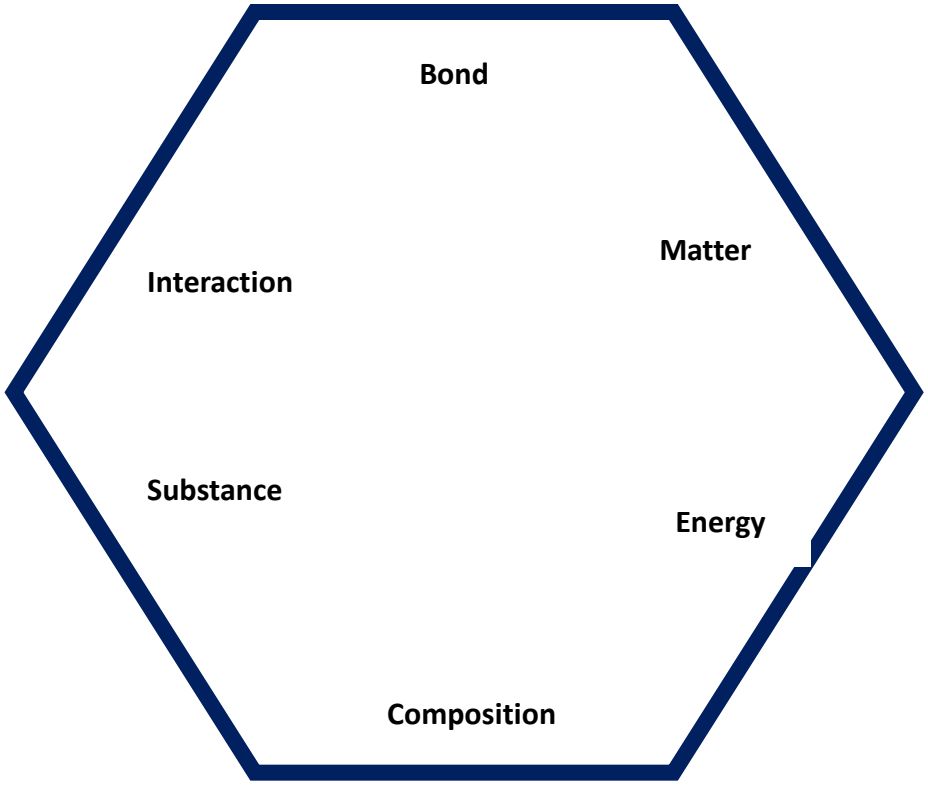
But, you need to ask Mr. Golden

Do not abuse the privilege or you will loose potty time

Define in *your own* words



Homework ☺

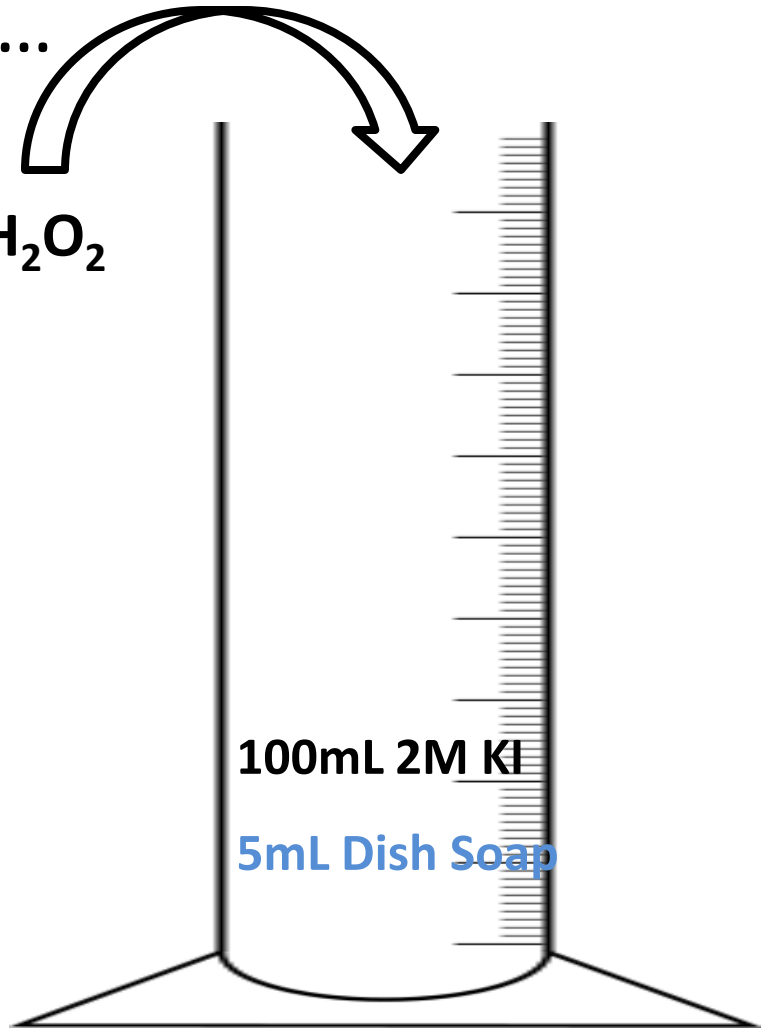


Find a published definition of each of the terms, then record it under the definition you just came up with. Hexagon

Start/ Improve
"Thinking Like a Scientist"

Have Fun and explore…

Demo #1



Bell Work: 7-Aug-2015, Pre - AP

On the same paper you used to solve the cryptograph yesterday

Recalling the demo we did yesterday, we added H_2O_2 to a KI solution with dish soap, try to explain everything we did;

leading up to the reaction,

the reaction its self,

and what happened after the rxn.

Be specific and include as many observations as possible, ex. colors, shapes, temperature, phases.

Additionally what test could we do to determine the gas content evolved from the reaction.

Lastly try to come up with the reaction (reactant = products) that represents/ reflects what occurred when we mixed the chemicals (reagents).

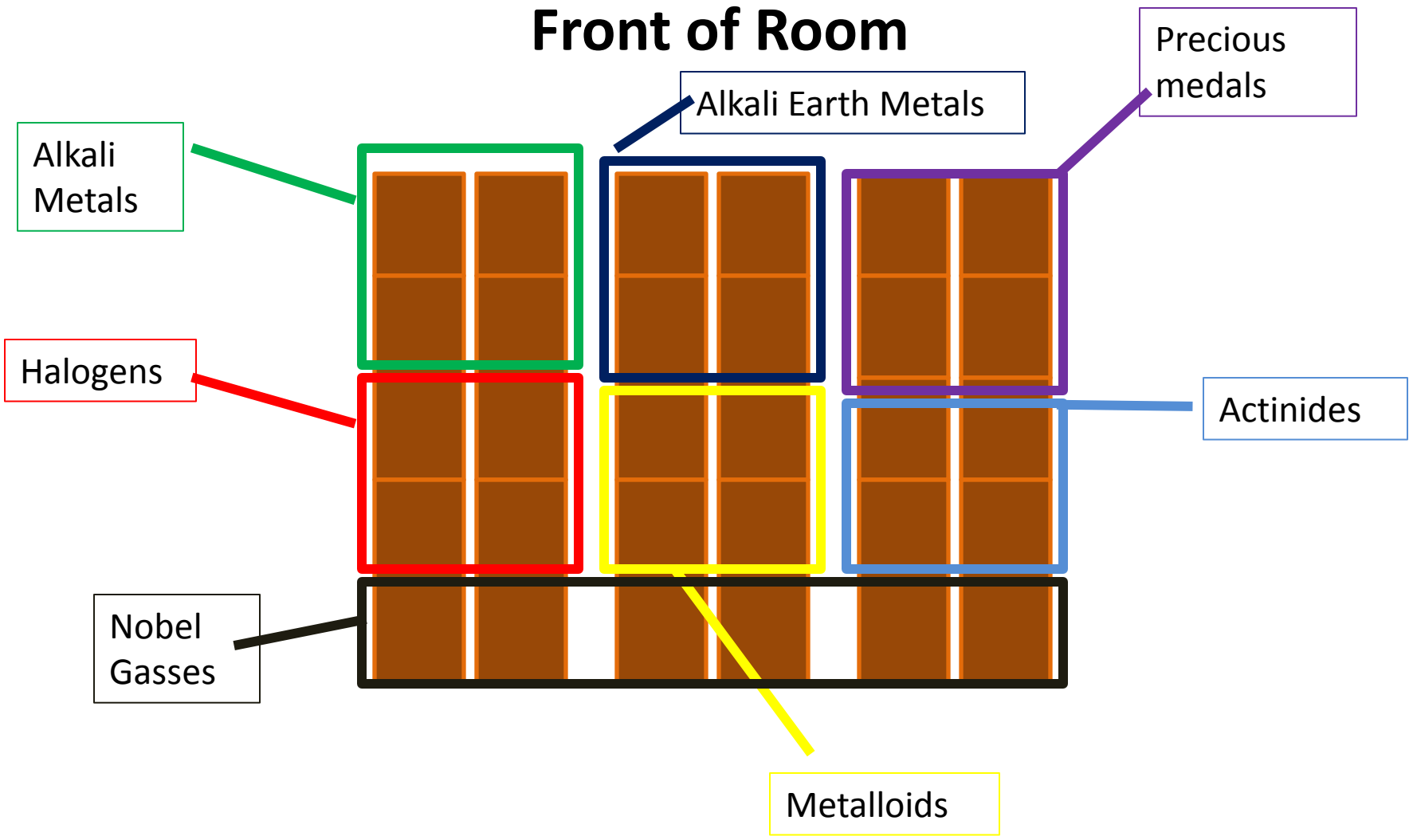
Agenda

- What I need for this class
- Word definitions
- Groups of the Periodic Table and Your Lab Partners

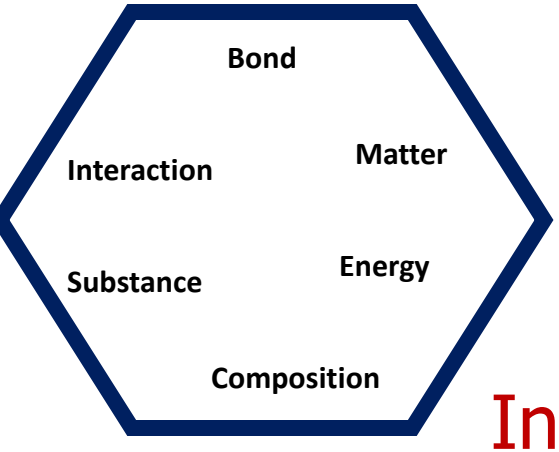
Objective

Your collaboration and problem solving skills will be examined

Your Lab Group



In your lab groups



In your group come up with a one paragraph (2-3 sentences) explanation of how all 6 words are related based on the published definitions you looked up last night. individually explain how this paragraph is similar or different from the original definition you wrote in you own words.

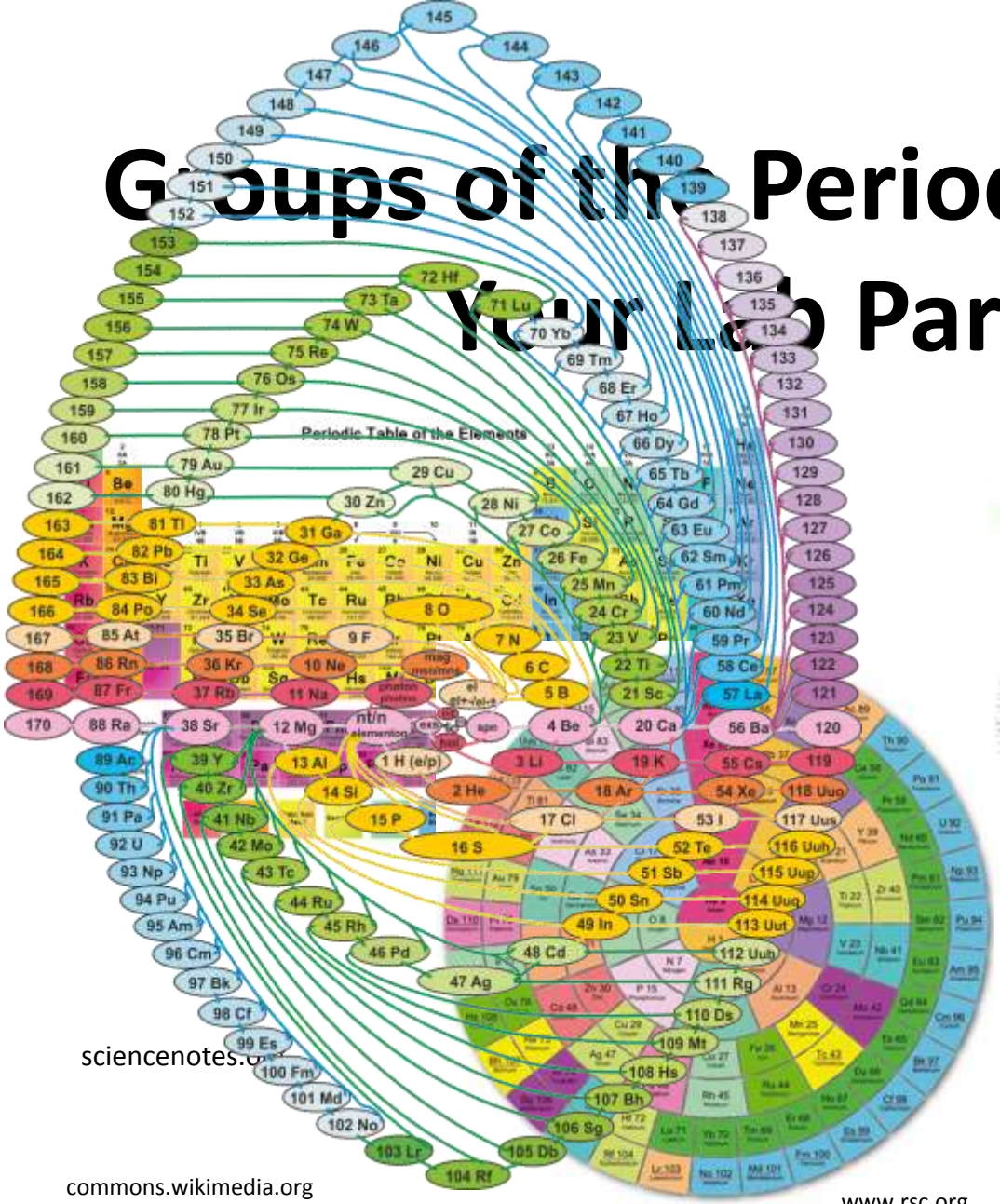
Objectives:

-Students will have a general understating of the relationship between elements in a given group,

-Start learning to work as a lab group, and

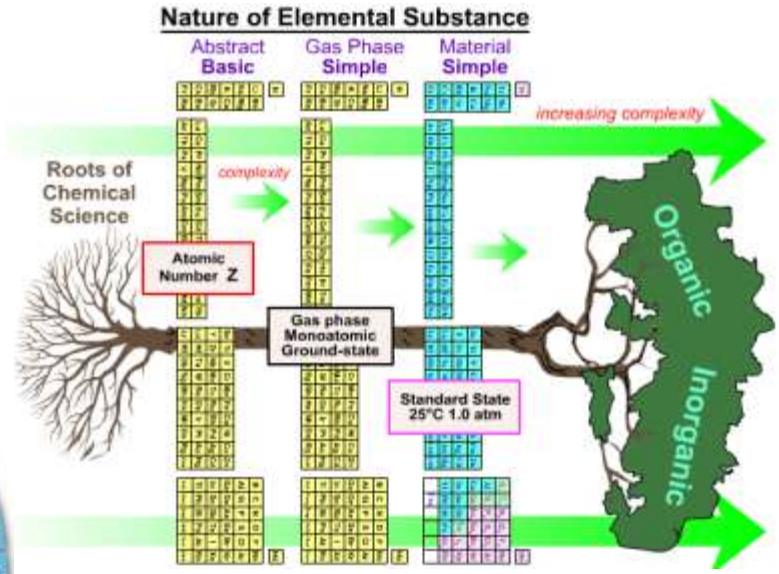
-Create a scientific and personally informative 3D piece

Groups of the Periodic Table and Your Lab Partners



sciencenotes.org

commons.wikimedia.org



www.meta-synthesis.com

www.rsc.org

Groups of the Periodic Table and Your Lab Partners

Two parts:

1st Group “research” and individual “research/ formulation”

2nd Build 3D model/ representation of the group of elements

Groups of the Periodic Table and Your Lab Partners

3D representation of the group that includes all of the elements and information you researched about them.

It should be colorful, unique, informative and fun. Use of pop outs, fold-over, tabs, pictures, colors, etc. are highly encourages.

Model will be hung over the white boards in the lab. The dimensions of the model need to be such that your model can be hung with other groups from your class to create a large periodic

Groups of the Periodic Table and Your Lab Partners

All of the individual and group info needs to be on the piece and each of the elements in the group needs to be included.

Do Not mirror the period table, your final piece should be identifiable as part of a periodic table but have a heavy artistic influence.

Scoring Rubric

Group Portion	2	**Individual**	2
Content (included all information required and was correct)		Item 1: History of elements name	
		Item 2: Where and how is the element mined currently	
Creativity (use of color, 3D features, etc.)		Item 3: Common compounds is the element found in	
		Item 4: Two (2) everyday uses	
Source citations (throughout piece or in one location)		Item 5: Three (3) interesting fact	
		Item 6: one connection you have w/ element	
Group Score		**Individual Score**	

Total Score	

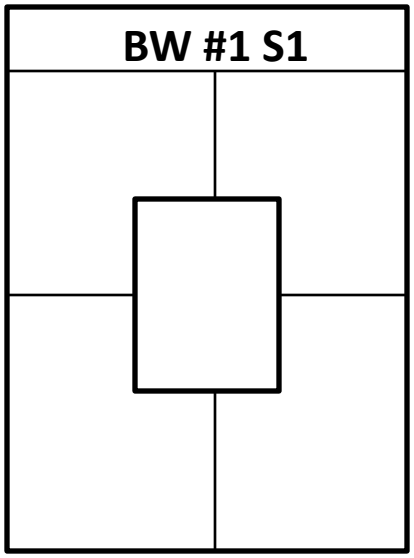
Home Work
7-Aug-2015

Get a scientific calculator (not a smart phone ☹). If you have a graphing calculator that is fine.

College rule paper, >100 sheets.

Put in a 3 ring binder

Bell Work
10-Aug-2015



What do you do if you are tardy for class?

What type of calculator should you have for this class?

What is the chemical symbol for chromium?

Convert 5ft into cm, knowing that 1ft =12in and 1in =2.54cm

Agenda

Work on Groups of Periodic Table

Objective

You will know a little more about your classmates

Essential Questions

If a student completes everything their teacher asks of them, homework, extra studying, participation in class, etc, should they be guaranteed a grade of A or B? Why?

Chemistry Root word of the Week

-*meter*; measure

examples: thermometer, calorimeter. barometer

Groups of the Periodic Table and Your Lab Partners

Work on your teams 3D representation of the group that includes all of the elements and information you researched about them.

Clean up after yourself.

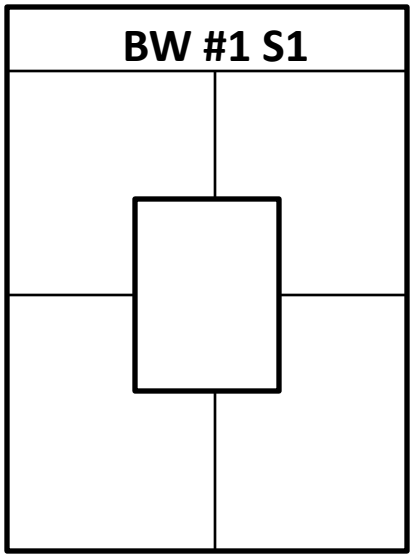
Due, end of class 11. Aug.2015

Homework, 10.Aug.15

What is Chemistry?

Make sure you have a login for the school computers before the start of class on the 12th of Aug. 2015

Bell Work
11-Aug-2015



What does chemistry mean to you? Please give the following:

- An example of chemistry in your life
- How chemistry has made your life easier
- A definition of chemistry in your own words

How many dozen (dz) eggs are needed to make 12 muffins?

What about 15.5 muffins? (hint cross out units first)

$$\frac{12 muffins}{1} \times \frac{1 batch}{18 muffin} \times \frac{200 blueberrie}{3 batch} \times \frac{6 eggs}{70 blueberries} x \frac{1 dz}{12 eggs} =$$

Agenda

Periodic Table of Students

Objective

You will know more about your classmates

Essential Questions

If a student completes everything their teacher asks of them, homework, extra studying, participation in class, etc, should they be guaranteed a grade of A or B? Why?

Start/ Improve
"Thinking Like a Scientist"

Have Fun and explore…

Demo #2: Ammonium Dichromate

Most abundant gas in our atmosphere

I have a M.W. of 18.01g/mol

Metal (III) oxide

$(NH_4)_2Cr_2O_7\,(s) \rightarrow$ _____ (g) + _____(g) + _____ (s)

20.0g

___mol ___molecules ___g

What is percent yield of solid product?

$$\% \text{ Yield} = 100 \times \frac{\text{Actual Yield}}{\text{Theoretical Yield}}$$

Bell Work
12-Aug-2015
Pre - AP

Log on to a computer and go to the schools web page (Flowing wells school district → school info → schools → Flowing Wells High School).

Once there find the staff sections (About us → Flowing wells staff)

Click on the web page link for Mr. Golden

Open Pre AP page.

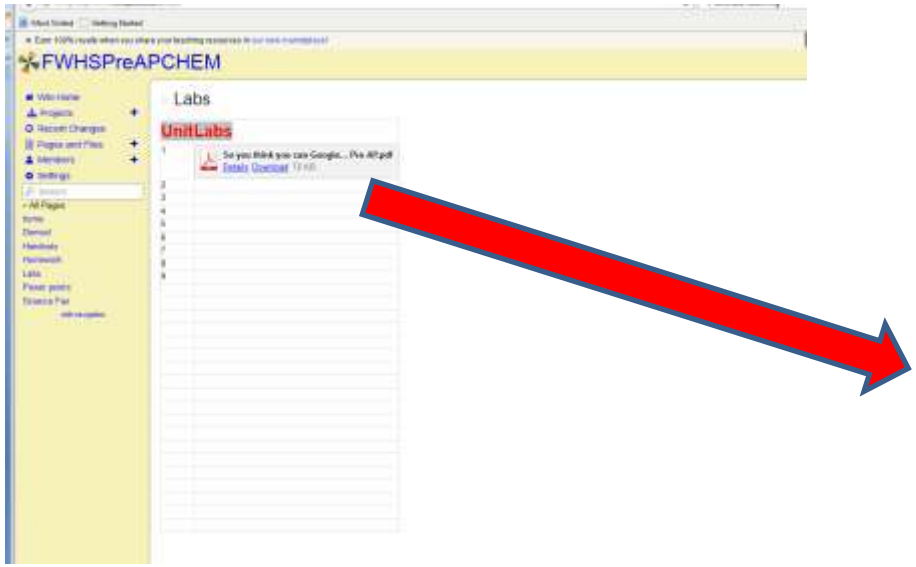
Write down the different pages on the Pre AP class website and the time for study tables

Essential Questions

If a student completes everything their teacher asks of them, homework, extra studying, participation in class, etc, should they be guaranteed a grade of A or B? Why?

So You Think You Can Google… Day 1

In the lab section of the pdf. file “So you think you can Google”



Bell Work
13-Aug-2015
Pre - AP

Log on to a computer and go to the Class Web page

schools web page (Flowing wells school district → school info → schools →

Flowing Wells High School →*About us → Flowing wells staff*

Click on the web page link for Mr. Golden

Open Pre AP page.

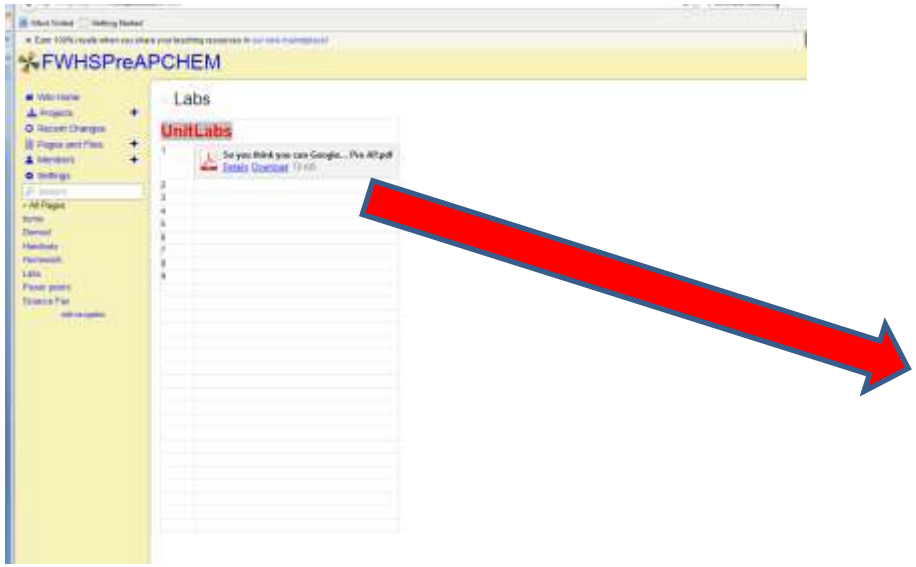
What yearly event took place/ peaked yesterday in the night sky?

Essential Questions

If a student completes everything their teacher asks of them, homework, extra studying, participation in class, etc, should they be guaranteed a grade of A or B? Why?

So You Think You Can Google… Day 1

In the lab section of the pdf. file “So you think you can Google” Continue working




So you think you can Google, Yahoo, or Bing?

Home Work
13-Aug-2015

Basic math skills #1-5

Bell Work
14-Aug-2015
Pre - AP

Log on to a computer and go to the Class Web page

schools web page. Once there begin working on "So You Think You Can Google… Day 1 and 2."

Have your homework out: Basic Math Skills #1-5

So you think you can Google…

Turn Both Day 1 and 2 in as a single document.

You may need to cut and past day 2 graphs and tables on to day 1 work and citations

Save the graph using your name and graph descriptions and period.

*Ex: **joeshmoe.weatherPx** where x= your period number*

Now either email it to Mr. Golden or save it in the public drive (P); Golden Pre-AP; Period X

Extended due date: 3:30 17 Aug 2015

Home Work
14-Aug-2015

Basic math skills #6-15